

Why Global Warming Should Matter to Clean Cities? AIR

Gasoline and Diesel always meet
Emissions Standards:

Tier I

Tier II

Low Emission Vehicles (LEV)

Ultra LEV (ULEV)

Super Ultra LEV (SULEV)

Partial ZERO EV (P-ZEV)

Why Global Warming Should Matter to Clean Cities? OIL

Gasoline and diesel will always be able to
reduce oil dependence with:

Corporate Average Fuel Economy (CAFE)

Hybrids

Fuel Cells

Why Should Global Warming Matter to Clean Cities? MONEY

Federal Alternative fuel funding:

SEP \$5-10 million annually

CMAQ \$25 million annually

Ethanol \$500-800 million annually

New Oil Deal \$24 BILLION

More Money: Climate Change

The New Emissions Market

Current spending: \$25-50 million

Investments in the Market: Millions!

Expected Market: Billions!

Making Clean Cities Relevant to Climate Change

You can't take the carbon out of oil and gas. Alternative fuels always compare better than petroleum.

Climate Change Proposals:

- Cost Effective (\$5 / ton)

- Life Cycle Analysis

- Co-Benefits

Making Clean Cities Relevant to Climate Change

Approaches:

- Use Life Cycle Analysis of Fuel
- Make alternative fuels part of hybrids and fuel cells